

12 OPzS-ET 1200

(2V 1380Ah @ 10hr)



Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years

Nominal Capacity 20°C (68°F)

10 hour rate (138A, 1.8V)	1380Ah
5 hour rate (235A, 1.75V)	1173.5Ah
1 hour rate (787A, 1.6V)	787Ah

Internal Resistance

Fully Charged Battery 20°C (68°F)	0.23mOhm
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Electrolyte

Nominal S.G at 20°C = 1.240kg/l

Operating Temperature Range	-20°C to +55°C
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Maximum Discharge Current 20°C (68°F)	1466A
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Charge Methods: Constant Voltage Charge 20°C (68°F)

Cycle use	2.40V (time limited)
Maximum charging current	552A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal torque	23Nm

Discharge Constant Current (Amperes at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	1364.9	1309.5	1072.8	786.7	511.7	362.6	241.8	175.3	145.1
1.65	1228.9	1168.5	978.1	738.4	493.6	360.6	241.8	175.3	145.1
1.70	1087.9	1027.4	879.4	682.9	472.4	351.5	238.7	171.2	143.0
1.75	938.8	887.4	772.6	621.5	446.2	338.5	234.7	168.2	142.0
1.80	786.7	746.4	659.8	551.0	410.0	317.3	226.6	163.2	138.0
1.83	691.0	659.8	587.3	497.6	378.7	297.2	216.6	158.1	135.0
1.85	627.5	601.4	537.9	462.4	358.6	284.1	209.5	154.1	133.0
1.87	562.1	541.9	485.5	419.0	330.4	265.9	199.4	148.1	125.9
1.90	462.4	452.3	406.9	354.6	287.1	237.7	185.3	138.0	116.8

Discharge Constant Power (Watts at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	2241.2	2165.7	1828.2	1390.1	937.8	675.9	458.3	336.4	280.0
1.65	2065.0	1979.3	1692.3	1314.5	910.6	673.9	458.3	336.4	280.0
1.70	1873.6	1782.9	1551.2	1233.9	875.3	660.8	454.3	329.4	278.0
1.75	1662.0	1576.4	1390.1	1138.2	832.0	637.6	449.3	325.4	276.0
1.80	1425.3	1359.9	1208.8	1022.4	770.6	601.4	435.2	316.3	267.9
1.83	1274.2	1218.8	1087.9	931.8	717.2	567.1	418.0	307.2	262.9
1.85	1168.5	1123.1	1007.3	872.3	681.9	543.9	406.9	302.2	259.9
1.87	1052.6	1017.4	916.6	795.8	631.6	511.7	388.8	290.1	248.8
1.90	880.4	863.3	779.6	682.9	555.0	461.3	362.6	272.0	231.7

Features

High energy density

Robust tubular positive electrode design, compliant with DIN 40736

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature -20°C to +55°C

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO₂ footprint

Applications

Telecommunications/ Mobile Phone Stations

Traffic Systems

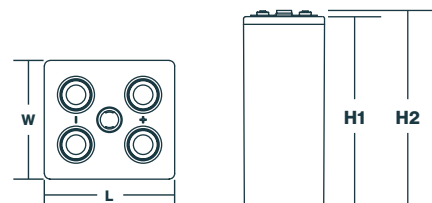
UPS Systems

Emergency Lighting

Electrical Switching

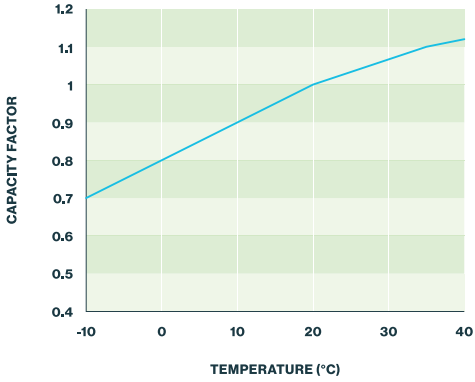
Dimensions and weight

Length	210 mm
Width	275 mm
Height (H1)	647 mm
Total height (H2)	660 mm
Dry weight	63.8 kg
Filled weight	86.7 kg

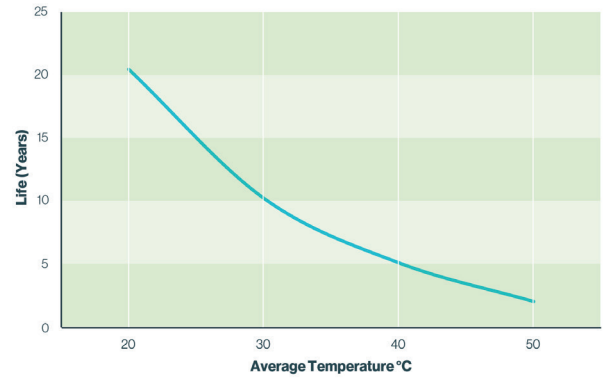


Compliant with IEC60896-11

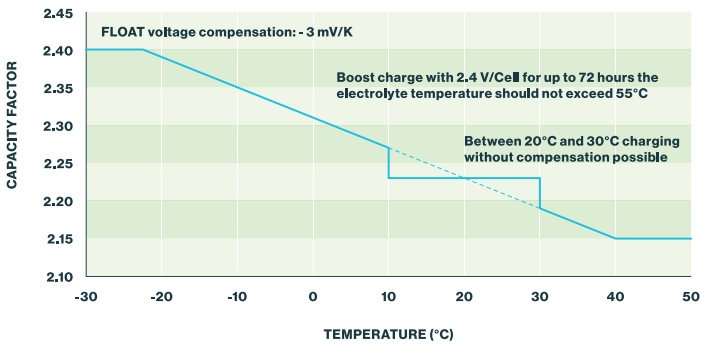
Capacity factor vs. Temperature - discharge current I_{10}



Float Life vs. Average Temperature



Charging voltage vs. Temperature



Self discharge

